Fig.1

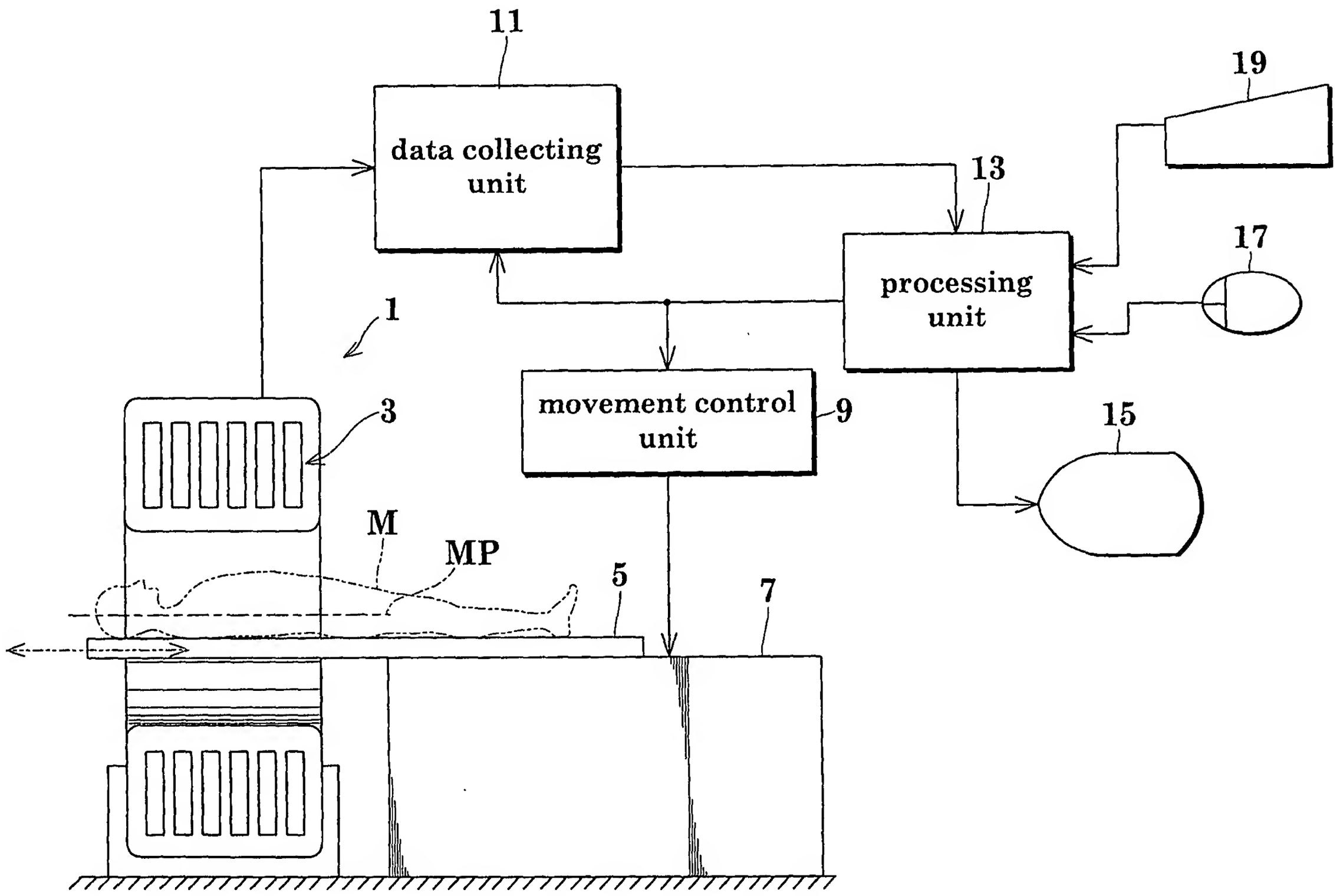

11
data collecting unit
19
13
processing unit
17
1
movement control unit
9
15
3
M
MP
5
7

Fig.2

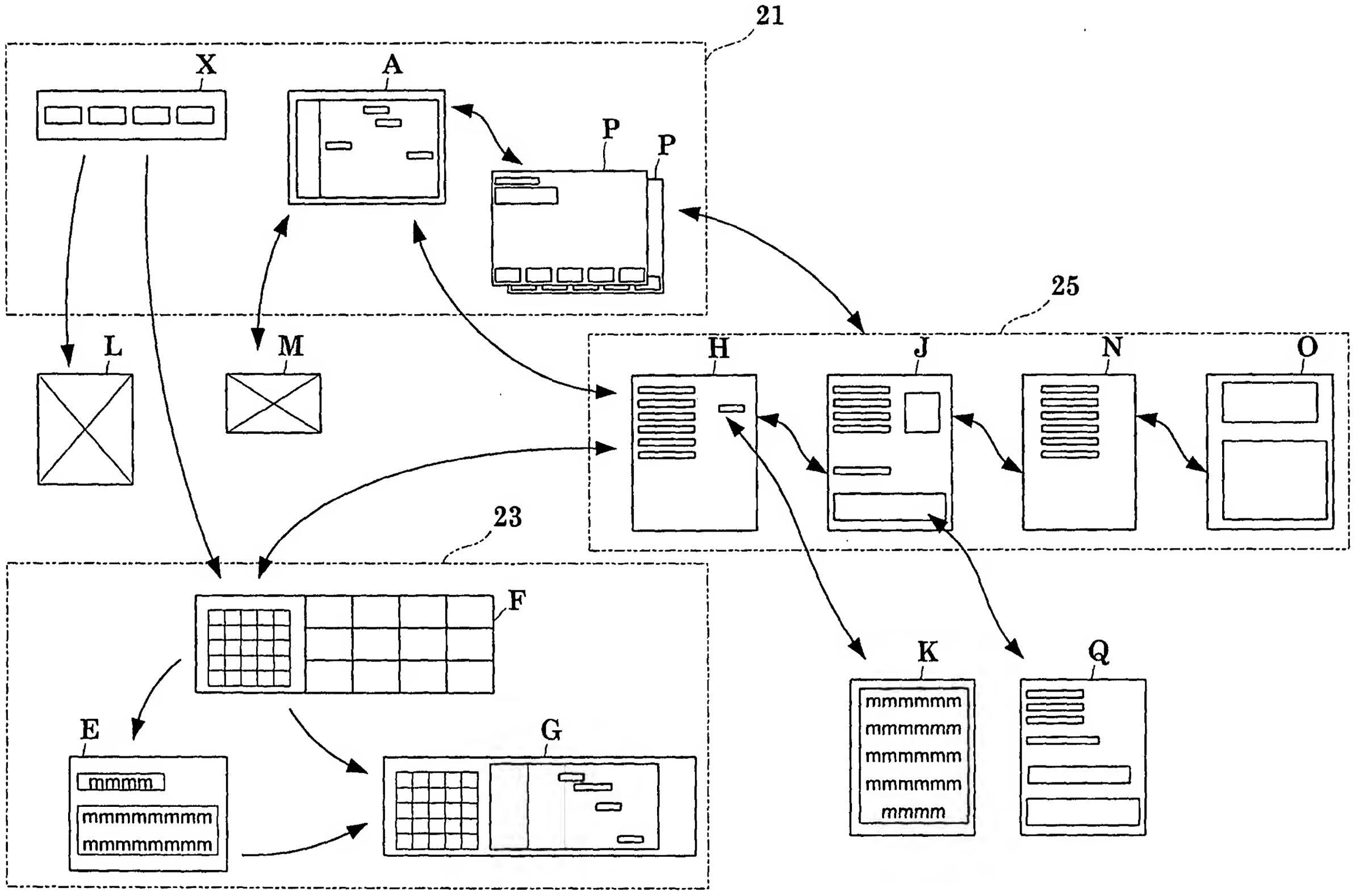

21
X
A
P
P
25
L
M
H
J
N
O
23
F
E
mmmm
mmmmmmmm
mmmmmmmm
G
K
mmmmmm
mmmmmm
mmmmmm
mmmmmm
mmmm
Q

Fig.3

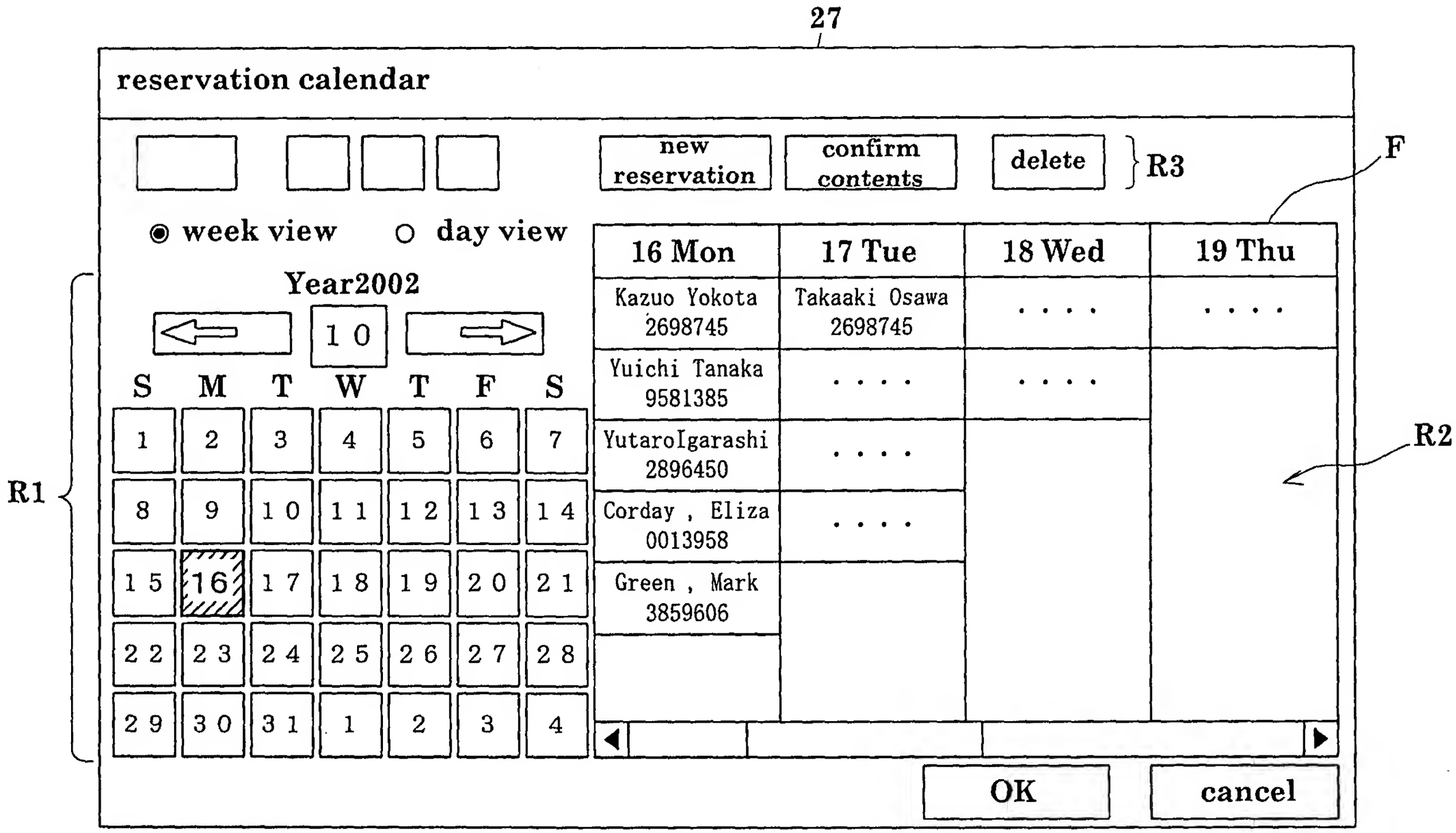

27
reservation calendar
new reservation
confirm contents
delete
R3
F
week view
day view
Year2002
10
S M T W T F S
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31 1 2 3 4
R1
16 Mon
17 Tue
18 Wed
19 Thu
Kazuo Yokota 2698745
Takaaki Osawa 2698745
Yuichi Tanaka 9581385
YutaroIgarashi 2896450
Corday , Eliza 0013958
Green , Mark 3859606
R2
OK
cancel

Fig.4

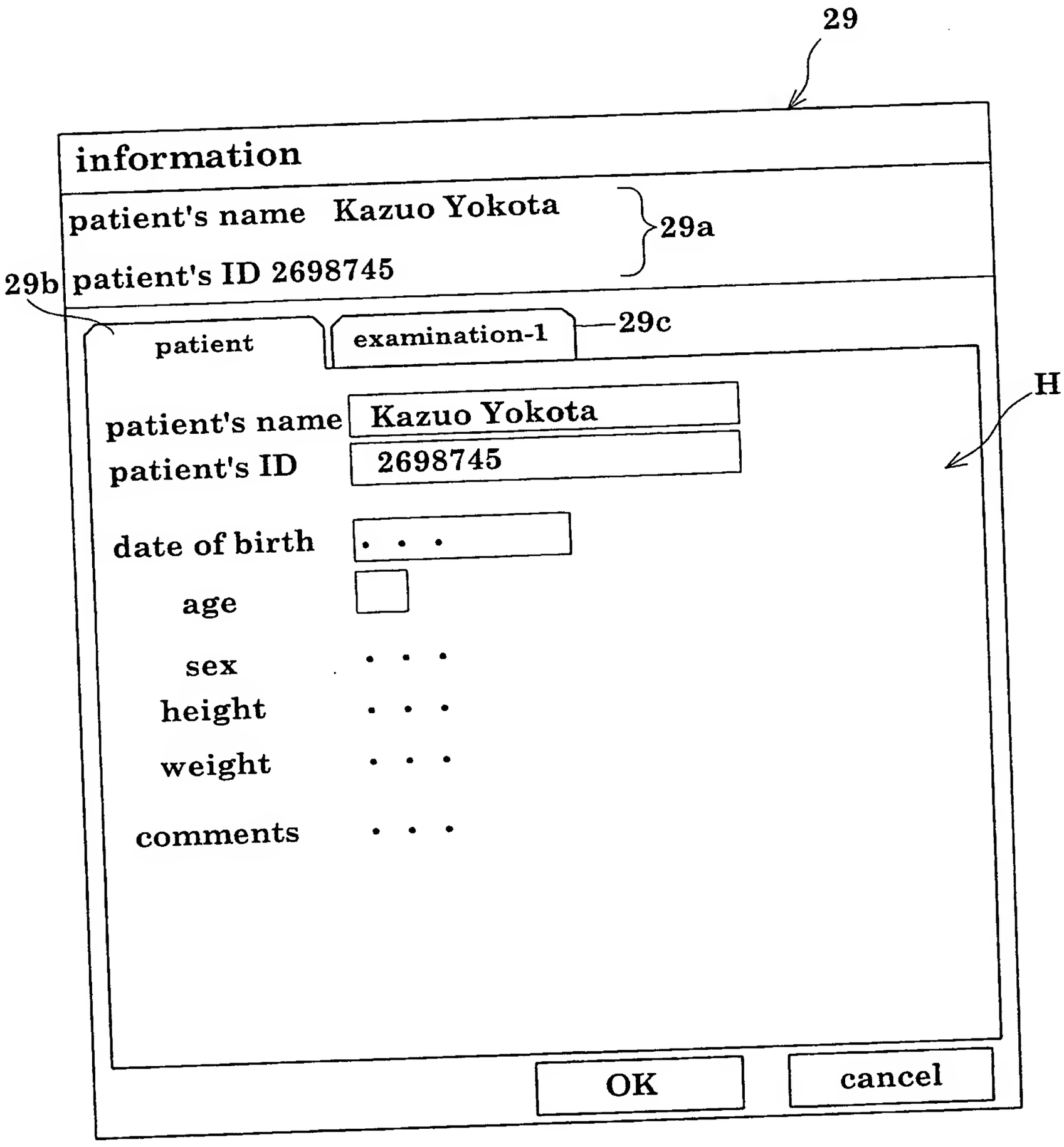

29
information
patient's name Kazuo Yokota
29a
patient's ID 2698745
29b
patient
examination-1
29c
H
patient's name
Kazuo Yokota
patient's ID
2698745
date of birth
age
sex
height
weight
comments
OK
cancel

Fig.5

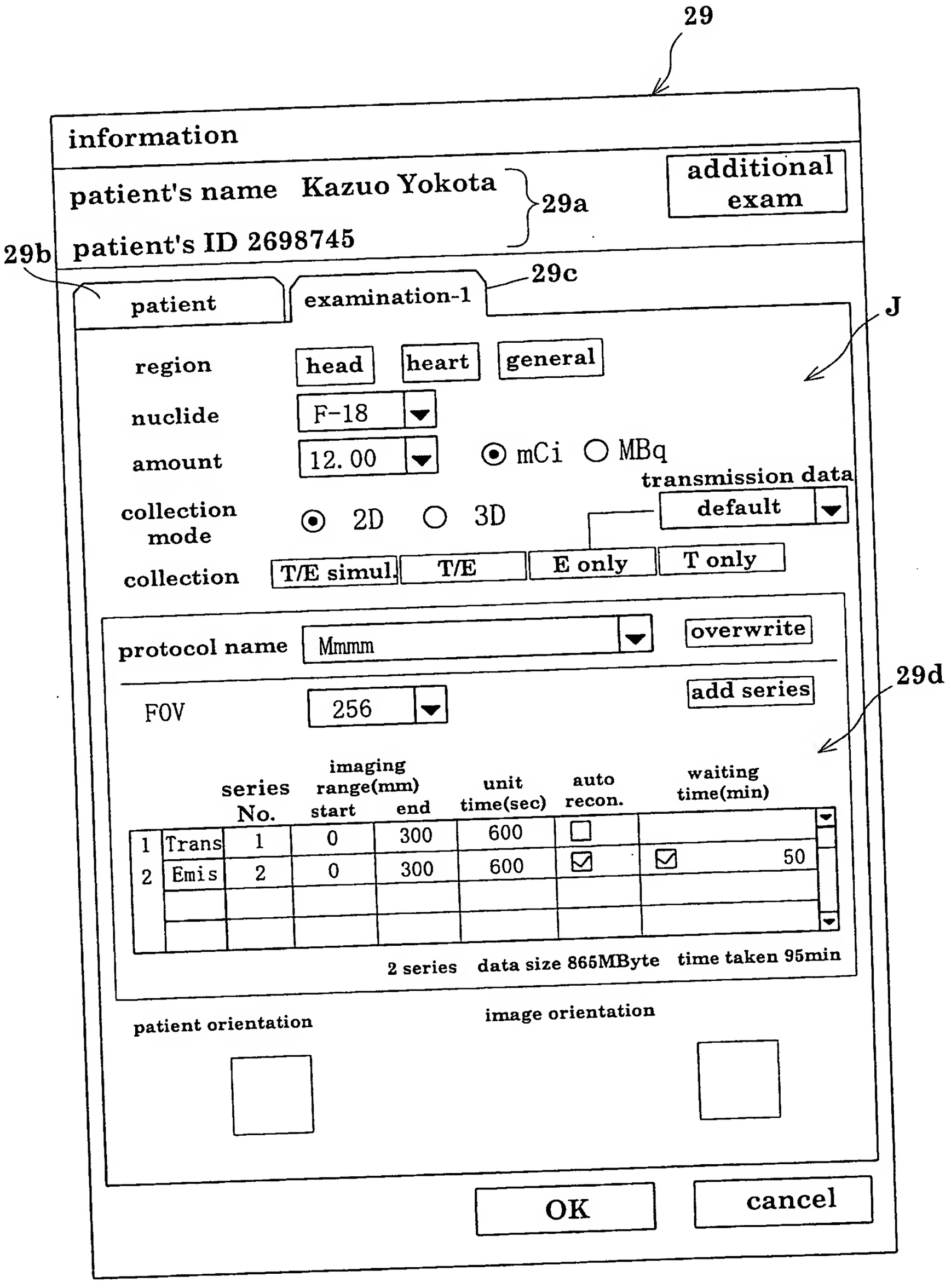

29
information
patient's name Kazuo Yokota
29a
patient's ID 2698745
additional exam
29b
patient
examination-1
29c
J
region
head
heart
general
nuclide
F-18
amount
12.00
mCi
MBq
transmission data
default
collection mode
2D
3D
collection
T/E simul.
T/E
E only
T only
protocol name
Mmmm
overwrite
add series
29d
FOV
256
series No.
imaging range(mm) start
end
unit time(sec)
auto recon.
waiting time(min)
1 Trans 1 0 300 600
2 Emis 2 0 300 600
50
2 series
data size 865MByte
time taken 95min
patient orientation
image orientation
OK
cancel

Fig.6

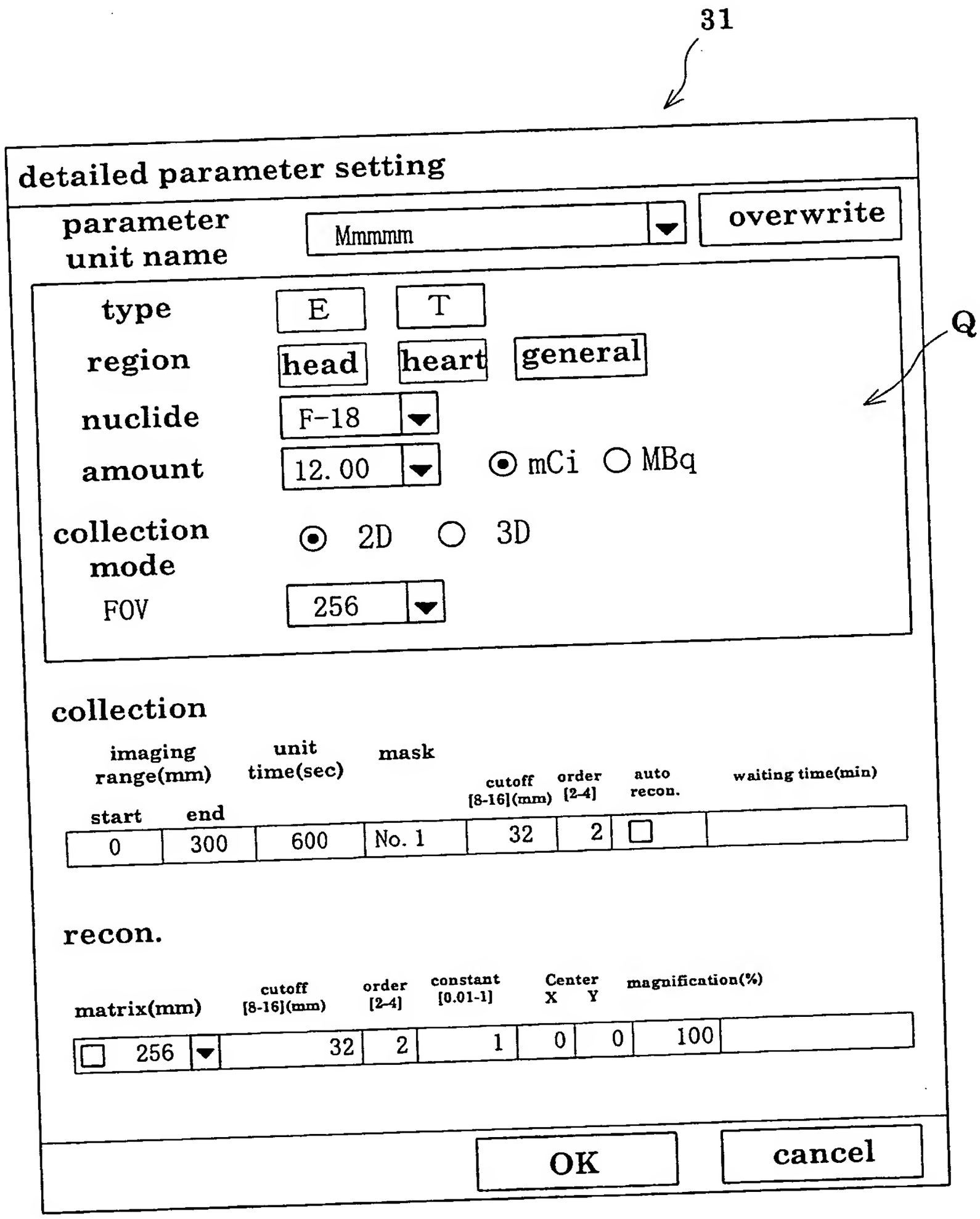

31
detailed parameter setting
parameter unit name
Mmmmm
overwrite
type
E
T
region
head
heart
general
Q
nuclide
F-18
amount
12.00
mCi
MBq
collection mode
2D
3D
FOV
256
collection
imaging range(mm)
start
end
unit time(sec)
mask
cutoff [8-16](mm)
order [2-4]
auto recon.
waiting time(min)
0
300
600
No. 1
32
2
recon.
matrix(mm)
cutoff [8-16](mm)
order [2-4]
constant [0.01-1]
Center X
Y
magnification(%)
256
32
2
1
0
0
100
OK
cancel

Fig.7

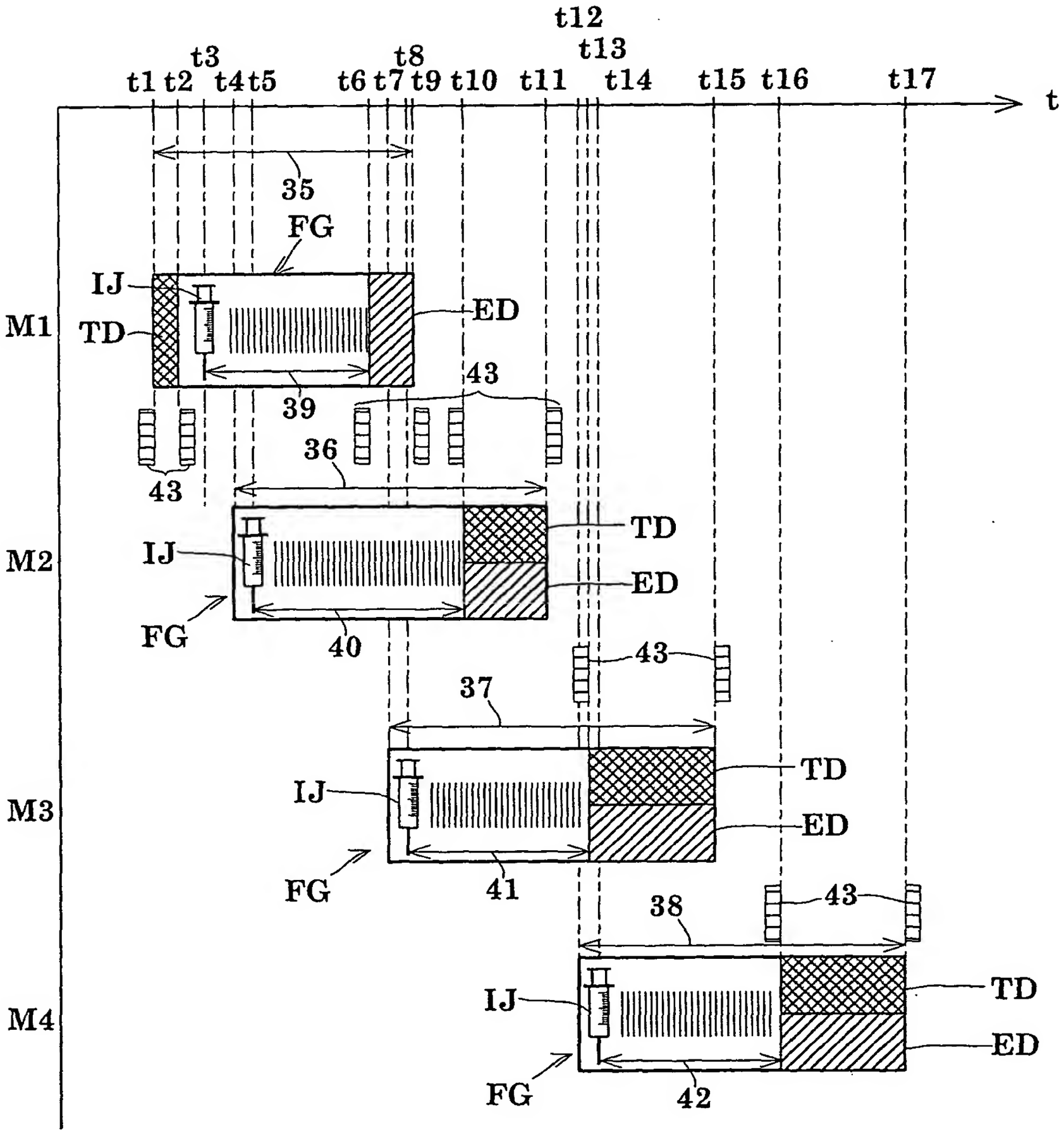

t1
t2
t3
t4
t5
t6
t7
t8
t9
t10
t11
t12
t13
t14
t15
t16
t17
t
35
FG
IJ
TD
ED
M1
39
43
36
M2
40
37
M3
41
38
M4
42

Fig.8

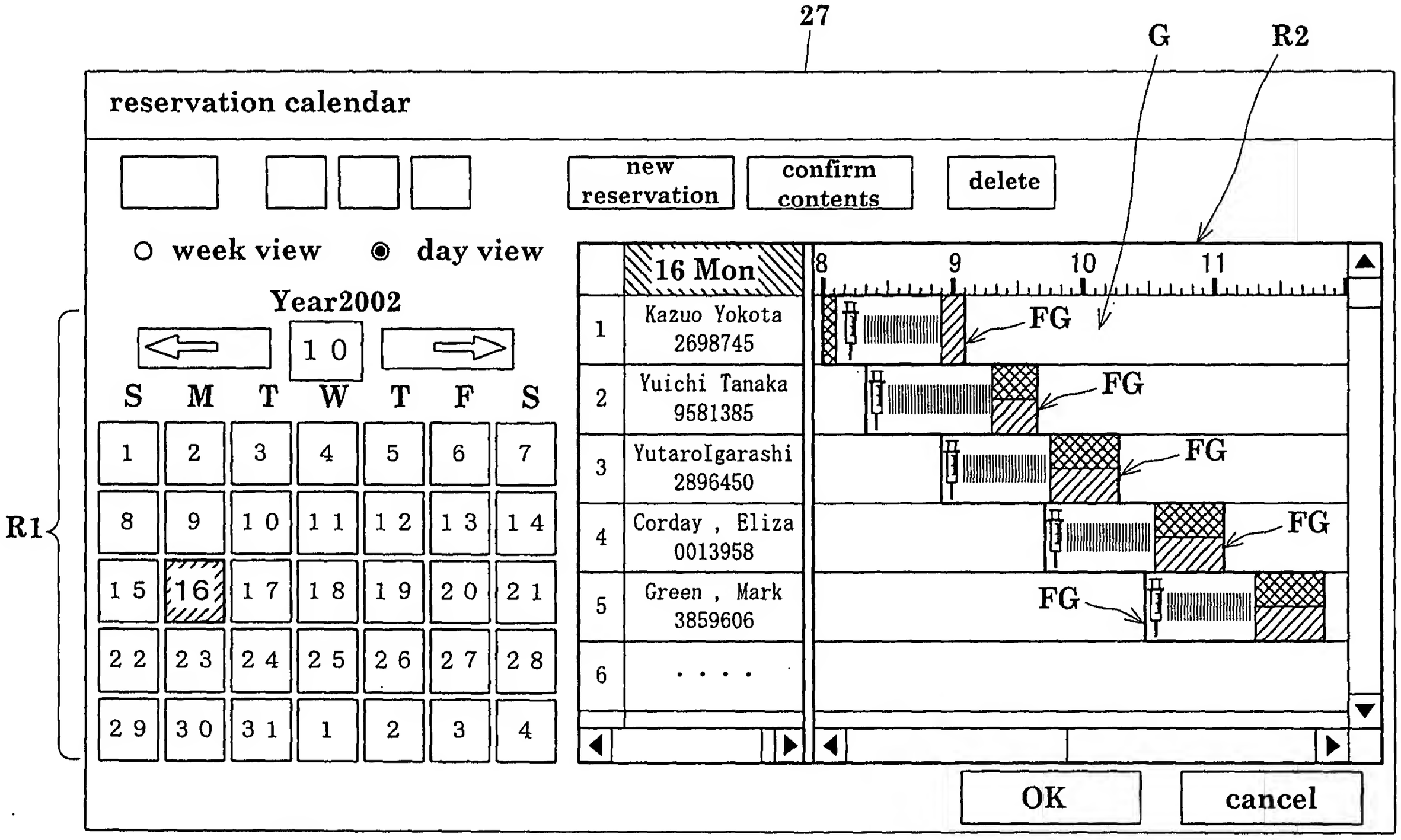

27
G
R2
reservation calendar
new reservation
confirm contents
delete
week view
day view
Year2002
10
S M T W T F S
1 2 3 4 5 6 7
8 9 10 11 12 13 14
15 16 17 18 19 20 21
22 23 24 25 26 27 28
29 30 31 1 2 3 4
R1
16 Mon
8 9 10 11
1 Kazuo Yokota 2698745
2 Yuichi Tanaka 9581385
3 YutaroIgarashi 2896450
4 Corday , Eliza 0013958
5 Green , Mark 3859606
6 . . . .
FG
OK
cancel

Fig.9A

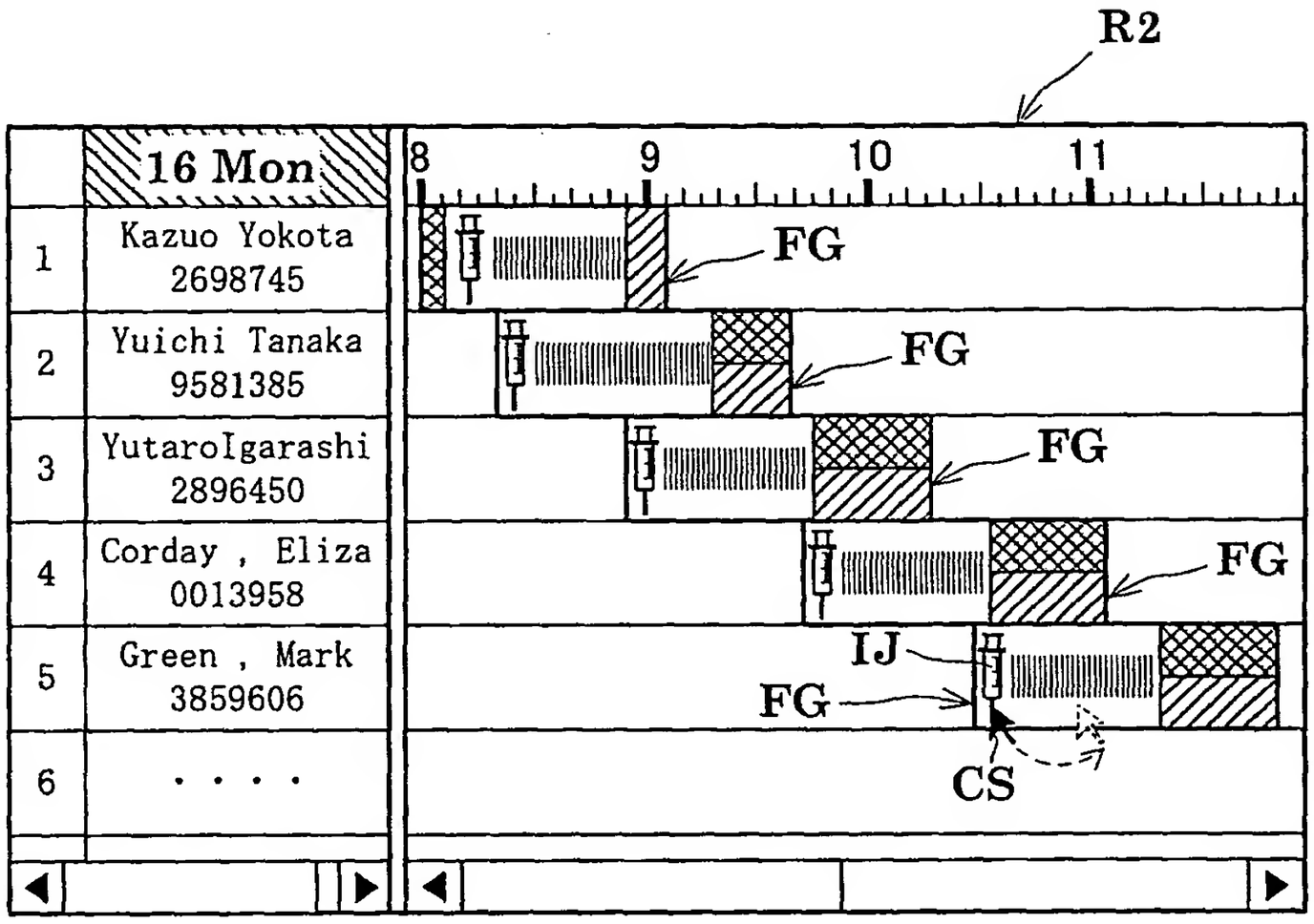

R2
16 Mon
8
9
10
11
1
Kazuo Yokota
2698745
FG
2
Yuichi Tanaka
9581385
FG
3
YutaroIgarashi
2896450
FG
4
Corday , Eliza
0013958
FG
5
Green , Mark
3859606
IJ
FG
CS
6
. . . .

Fig.9B

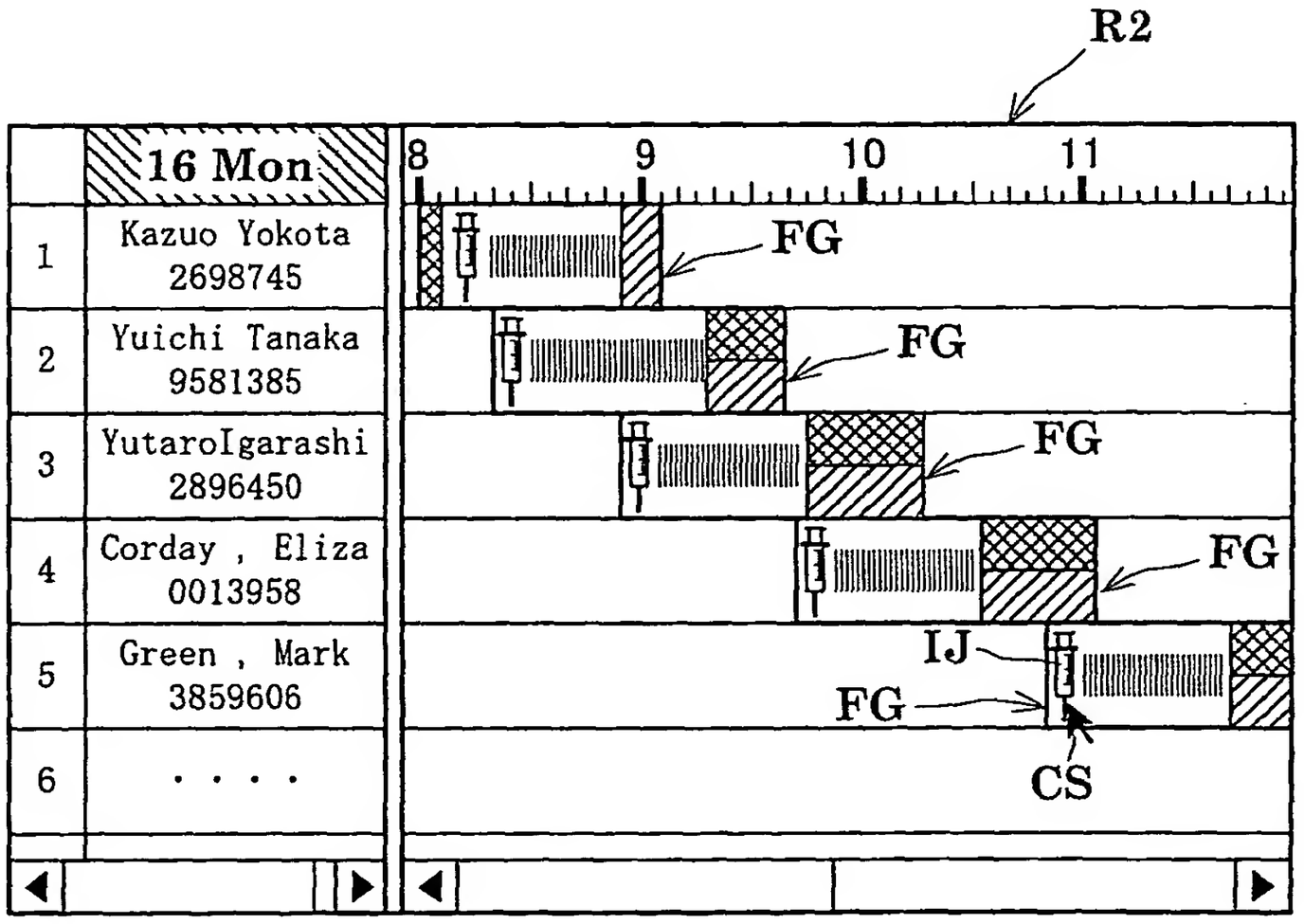

R2
16 Mon
8
9
10
11
1
Kazuo Yokota
2698745
FG
2
Yuichi Tanaka
9581385
FG
3
YutaroIgarashi
2896450
FG
4
Corday , Eliza
0013958
FG
5
Green , Mark
3859606
IJ
FG
CS
6
. . . .

Fig.10

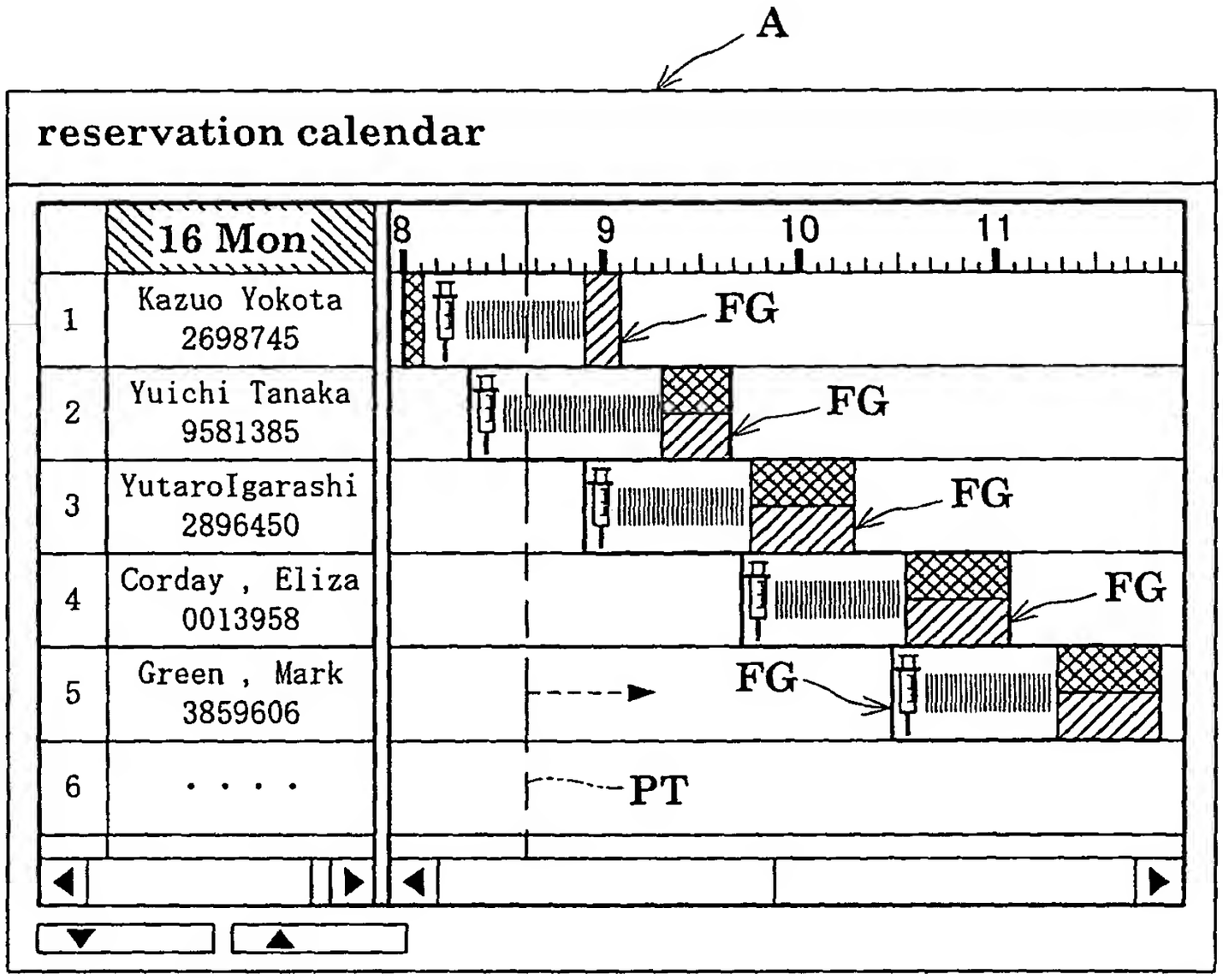
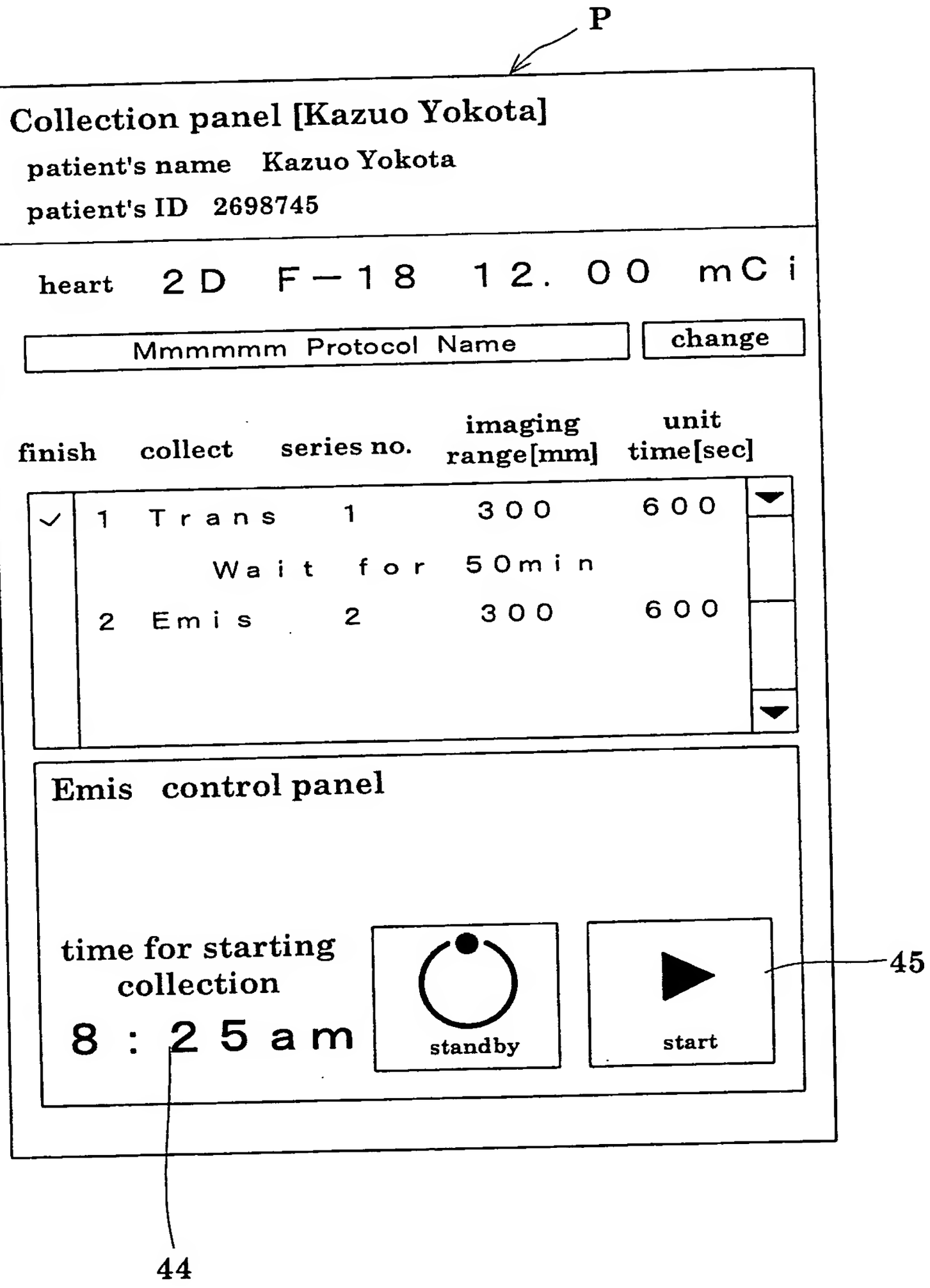

A
reservation calendar
16 Mon
8
9
10
11
1
Kazuo Yokota
2698745
2
Yuichi Tanaka
9581385
3
YutaroIgarashi
2896450
4
Corday , Eliza
0013958
5
Green , Mark
3859606
6
. . . .
FG
FG
FG
FG
FG
PT

Fig.11


P
Collection panel [Kazuo Yokota]
patient's name Kazuo Yokota
patient's ID 2698745
heart 2D F-18 12.00 mCi
Mmmmmm Protocol Name
change
finish
collect
series no.
imaging range[mm]
unit time[sec]
1 Trans 1 300 600
Wait for 50min
2 Emis 2 300 600
Emis control panel
time for starting collection
8 : 25 am
standby
start
45
44